



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of
Kenichi Higashiyama et al.

Application No.: 09/254,152

Filing Date: February 26, 1999

Title: PROCESS FOR PRODUCING UNSATURATED FATTY ACID-CONTAINING OILS

Group Art Unit: 1617

Examiner: Shengjun Wang

Confirmation No.: 6530

FOURTH
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FOURTH Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☐ No additional fee for submission of an IDS is required.
- ☒ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \$ 180.00 is enclosed for the fee due.
- ☐ Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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By


Susan M. Dadio

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Date: September 23, 2004

09/24/2004-FMTEK11-00000024-09254152

03-FC-1806

180.00 DP

Patent Application of

Group Art Unit: 1617

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Alexandria, VA 22313-1450

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Foreign Patent Documents

International Publication No. WO 92/13086, published on August 6, 1992.

Non-Patent Documents

SHINMEN et al., "Production of arachidonic acid by *Mortierella fungi*", Applied Microbiology and Biotechnology, 1989, Vol. 13, pp. 11-16, Springer-Verlag, Berlin, Germany.

The documents are being submitted after a first Office Action on the merits but prior to the closing of prosecution, therefore under 37 C.F.R. § 1.97(c), the fee set forth in 37 C.F.R. § 1.17(p) is enclosed.

A fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is enclosed.

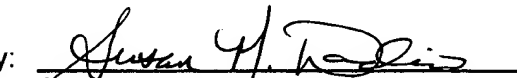
To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date September 23, 2004

By:


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THIRD INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	09/254,152
Filing Date	February 26, 1999
First Named Inventor	Kenichi Higashiyama et al.
Examiner Name	Shengjun Wang
Attorney Docket Number	001560-344

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	0 726 321	A2	EP	8/14/1996				X			
	0 223 960	A2	EP	6/3/1987				X			
	0 276 541	A2	EP	8/3/1988				X			
	WO 94/28913		PCT	12/22/94				X			
	WO 92/13086		PCT	8/6/1992				X			

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	SHINMEN et al., "Production of arachidonic acid by <i>Mortierella</i> fungi", Applied Microbiology and Biotechnology, 1989, Vol. 13, pp. 11-16, Springer-Verlag, Berlin, Germany.

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.